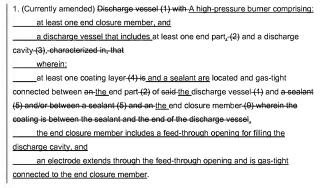
Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:



- 2. (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, characterized in, that wherein the gas_tight bonding of the coating layer (4) and the sealant to the discharge vessel (1), to a sealant (5), and/or to an_and the end closure member (9) is stronger compared to the than a direct gas-tight bonding of said-the sealant (5) to said-the end closure member (9) and/or and discharge vessel (1).
- (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, eharacterized in, that wherein the coating layer-(4) has an expansion coefficient in the range between 4·10⁻⁶ K⁻¹ and 12·10⁻⁶ K⁻¹.

- 4. (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, characterized in, that wherein the coating layer (4) is chemically resistant towards oxides and iodides.
- (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, characterized in, that wherein the coating layer (4) is of a material comprising at least Mo.
- 6. (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, characterized in, that wherein the coating layer (4) covers the at least one end part at least the end parts (2) of the discharge vessel (1) of the end closure device (7).

7. (canceled)

8. (Currently amended) Gas-tight high-pressure burner (6) according to claim 7 comprising at least one end closure member (9) with at least one feed through (8), wherein the end closure member (9) has at least one feed through opening, whereby The high-pressure burner of claim 1, wherein a cross-section of the feed-through opening-cross-section varies along a longitudinal axis of the end closure member-(9) longitudinal axis.

9. (Currently amended) Gas tight high pressure burner (6) with coating layer (4) An automotive headlamp comprising:

a discharge vessel-(1) with at least one-that includes an end part-(2) and a discharge cavity,

an end closure member that includes a feed-through opening for filling the discharge cavity, and

an electrode that extends through the feed-through opening and is gas-tight sealed to the end closure unit-(3), characterized in, that

wherein at least one coating layer (4)-is- and sealant are located and gas-tight connected between an-the end part (2) of said-the discharge vessel (1) and a-sealant (5) and/or between a-sealant (5) and an the end closure member (9) and at least one end closure device (7) and at least one feed-through (8),, wherein the lamp is arranged in an automotive headlamp unit.

10. (Currently amended) Method-A method of manufacturing a gas-tight high-

by and gas-tight connecting said-the feed-through electrode (8) to the end closure device (7) and/or to the discharge vessel (1) with connection means, whereby a gas-

tight high-pressure burner (6) is obtained.

11. (currently amended) A headlight suitable for use in a motor vehicle comprising:
a lamp , the lamp comprising that includes a gas-tight high-pressure burner,
the burner- comprising including:
at least one metal halide discharge vessel-comprising that includes at
least one end part[[-;]] and a discharge cavity;
at least one end closure member;
at least one sealant between the end closure member and the end part;
at least one feed-through opening in the end closure member for high-
pressure filling the discharge cavity.
at least one feed-through electrode that extends through the feed-
through opening and seals the feed-through opening via a gas-tight connection to the
end closure member at least one gas tight connection between a feed through
member and the end closure member; and
at least one gas-tight connected coating layer covering one or more of
the end part of the discharge vessel_, the sealant, and the end closure device, gas-
tight bonding of the end closure member and the discharge vessel via the coating
being stronger than gas-tight bonding of the sealant to the end closure member
and/er the discharge vessel <u>via the sealant</u> .
12. (Previously presented) The headlight of claim 11 wherein the coating layer has an

- expansion coefficient in the range between 4·10 6 K 1 and 12·10 6 K $^{-1}$ for temperatures in the range 298 K to 2174 K.
- 13. (Previously presented) The headlight of claim 11 wherein the coating layer is chemically resistant towards oxides and iodides.
- 14. (Previously presented) The headlight of claim 11 wherein the coating layer comprises a material selected from the group comprising at least W, Mo, and/or Pt.

- 15. (Currently amended) The headlight of claim 11, wherein the sealant and the eennection-electrode comprise materials that are needed for welding, laser welding, resistance welding, soldering, brazing, bonding with adhesive materials, primary shaping, sintering, sealing or any combination thereof.
- 16. (Currently amended) The headlight of claim 11, further comprising at least one opening through the end closure and the end part; and at least one feed through member passing through the opening, the feed through being suitable for introducing first a filling into the discharge vessel after the end closure is sealed to the discharge vessel, and second an wherein the electrode is introduced into the feed-through opening after the discharge vessel is filled.
- 17. (Currently amended) The headlight of claim 16, wherein the <u>feed-through</u> opening has an outer cross section <u>area</u> and an inner cross section <u>area nearer the discharge cavity</u>, and the outer cross section <u>area</u> is greater than or equal to the inner cross section area.
- 18. (Currently amended) The headlight of claim 11, wherein the end closure <u>device</u> is made of a functionally graded cermet material including first and second materials denominated A and B arranged such that, in <u>select portions</u>, in <u>some portions</u> concentration of compound A substantially increases where component B decreases causing gradients of both A and B, while an outer layer has a constant concentration of A and B.
- 19. (Previously presented) The headlight of claim 18, wherein compound A comprises Al_2O_2 and compound B comprises Mo.
- 20. (cancelled)

21. (Currently amended) A method of assembling a lamp comprising:

first sealing at least one cap-(9) to a discharge vessel, the cap comprising an opening, the sealing process comprising increasing temperature and/or pressure within the vessel and using a sealant and a coating:

after sealing, filling the vessel with at least one desired salt and/or at least one desired filling gas, through the opening:

positioning at least one electrode in the opening after the vessel is filled, such that the electrode extends through the opening and into the discharge vessel; and

second sealing the electrode in the opening using a technique resulting in substantially less temperature and pressure increase within the vessel than was required by the first sealing, so that the sealing and coating from the first sealing are not damaged by temperature and pressure from contents of the vessel.

- 22. (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, characterized in, that wherein the coating layer-(4) is of a material comprising at least Pt.
- 23. (Currently amended) Discharge vessel (1) according to The high-pressure burner of claim 1, characterized in, that wherein the coating layer (4) is of a material comprising at least W.